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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Junichi HANNA et al.

Group Art Unit: 1756

Serial No.: 09/679,538

Examiner: Shean Chiu Wu

Filed: October 6, 2000

For: LIQUID CRYSTALLINE COMPOUNDS AND PROCESS FOR PRODUCING THE  
SAME

AMENDMENT UNDER 37 CFR 1.111

Commissioner for Patents  
Washington, D. C. 20231

Sir:

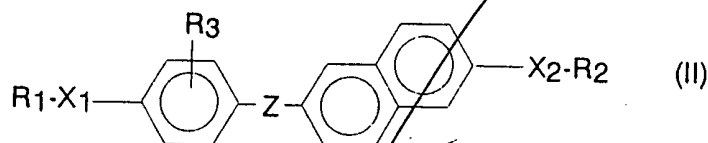
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In reply to the Office Action mailed November 23, 2001, please  
undertake the following changes:

IN THE CLAIMS:

Amend claims 2 and 8 as follows:

2. (Amended) A liquid crystalline compound represented by the  
following general formula (II):



C<sub>1</sub>  
Cont.

wherein  $R_1$  and  $R_2$  each independently represent a straight-chain, branched or cyclic, saturated or unsaturated hydrocarbon group having 1 to 22 carbon atoms and may be attached directly to the aromatic ring without through  $X_1$  or  $X_2$ ;  $R_3$  represents a hydrogen atom, a cyano group, a nitro group, or a methyl group;  $X_1$  represents a sulfur atom, or a  $-CO-$ ,  $-OCO-$ ,  $-COO-$ ,  $-N=CH-$ ,  $-CONH-$ ,  $-NH-$ , or  $-CH_2-$  group;  $X_2$  represents an oxygen atom, a sulfur atom, or a  $-CO-$ ,  $-OCO-$ ,  $-COO-$ ,  $-N=CH-$ ,  $-CONH-$ ,  $-NH-$ ,  $-NHCO-$ , or  $-CH_2-$  group; and  $Z$  represents a  $-N=N-$ ,  $-CH=N-$ ,  $-CH_2S-$ ,  $-CH=CH-$ , or  $-C\equiv C-$  group.

C<sub>2</sub>

8. (Amended) The liquid crystalline compound according to claim 2, wherein  $R_3$  represents a hydrogen atom and  $X_1$  and  $X_2$  each independently represent a  $-CH_2-$ ,  $-CO-$ ,  $-OCO-$ ,  $-COO-$ , or  $-N=CH-$  group wherein  $X_2$  may also be an oxygen atom.